

Amendments to the Claims:

Please cancel claims 1 and 4 without prejudice or disclaimer of the subject matter thereof, amend claim 2 and rewrite claim 3 in independent form as follows.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (canceled)

2. (currently amended) The servo pattern recording method according to claim 1,  
wherein the second servo pattern and the position information of the head detected  
in the second servo pattern recording step are recorded on the magnetic disk in a  
plurality of areas which are arranged in a circumferential direction of the magnetic  
disk and are separated by data areas.

3. (currently amended) The A servo pattern recording method according to claim 1,  
wherein for recording a servo pattern, to be used for detecting position information of  
a head on a magnetic disk mounted on a magnetic disk unit, on the magnetic disk by  
use of the head having a write element for writing information on the magnetic disk  
and a read element for reading information from the magnetic disk, comprising the  
steps of:

recording a first servo pattern for detecting position information of the head;  
and

recording a second servo pattern by detecting the position information of the head based on the recorded first servo pattern and by positioning the head to a target position based on the detected position information;

wherein position information of the head detected in the second servo pattern recording step is recorded on the magnetic disk; and

wherein the position information of the head detected in the second servo pattern recording step is recorded on the magnetic disk during the second servo pattern recording step.

Claim 4 (canceled)

5. (original) A servo pattern recording apparatus for recording a servo pattern to be used for detecting position information of a head on a magnetic disk load on a magnetic disk unit, on the magnetic disk by use of the head having a write element for writing information on the magnetic disk and a read element for reading information from the magnetic disk, comprising:

means for recording a first servo pattern for detecting position information of the head; and

means for detecting the position information of the head based on the recorded first servo pattern and recording a second servo pattern for positioning the head to a target position based on the detected position information, position information of the head detected in the second servo pattern recording means being recorded on the magnetic disk.